

STEREO MOC Status Report
Time Period: 2007:092 - 2007:098

STEREO Ahead (STA) Status:

1. The following Ground System anomaly occurred during this reporting period:

- On day 095, the transmitter at DSS-45 was red through the entire track. This resulted in autonomy rule 237 executing at the end of the track due to no command link and therefore, not freeing up space on the SSR.

2. Ahead spacecraft performance continues to be very good with all subsystems performing nominally. The following special spacecraft events and anomalies occurred during this week:

- The average daily SSR playback volume for Ahead was 6.0 Gbits during this week.
- On day 093, a High Gain Antenna Calibration was successfully completed.
- On day 093, at the end of the track, the SECCHI SE partition (20) was freed up even though the partition was actually 100% full and not played back. This was a result of the Write Pointer for Partition #20 lapping the Read Pointer and Write Limit Pointer, causing the partition to transition from 100% full to 0% full.
- On day 094, macro 0 was updated in EEPROM to update the data rate to 10kbps downlink/2000bps uplink when promoting from EA mode to Standby mode.

STEREO Behind (STB) Status:

1. The following Ground System anomaly occurred during this reporting period:

- On day 094, during the track on DSS-55 there were dropouts on VC7 data from 1757Z-1803Z. DSS-55 reported that they were not seeing the dropouts.

2. Behind spacecraft performance continues to be very good with all subsystems performing nominally. The following special spacecraft events occurred during this week:

- The average daily SSR playback volume for Behind was 9.4 Gbits during this week.
- On day 093, a High Gain Antenna Calibration was successfully completed.
- On day 094, macro 0 was updated in EEPROM to update the data rate to 10kbps downlink/2000bps uplink when promoting from EA mode to Standby mode.
- On day 095 a momentum dump was successfully executed at 1401Z.